

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	1192	604/192.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 09:20
S2	853	604/187.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 09:20
S1	327	604/181.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 09:20
S4	1244	604/198.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 09:21
S6	6234	(inject\$3 or syringe) with handling	US-PGPUB; USPAT	ADJ	ON	2008/04/24 09:29
S5	25	"injector handling"	US-PGPUB; USPAT	ADJ	ON	2008/04/24 09:29
S7	1	("6776777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 09:35
S8	4	("20020193746"   "20030050607"   "6186980").PN. OR ("6776777").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 09:37
S9	2	("20020193746"   "6776777").PN. OR ("7207973").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 09:38
S10	33	("3890971"   "4631057"   "4747837"   "4752290"   "4790827"   "4826491"   "4832696"   "4931048"   "4961730").PN. OR ("5057079").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 09:54
S11	8	"injector handling"	FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/04/24 10:06
S12	294	((("20010002681") or ("20010005781") or ("20010032893") or ("20010039394") or ("20010044606") or ("20010052554") or ("20010056263") or ("20020008158") or ("20020022855") or ("20020033423") or ("20020045909") or ("20020046486") or ("20020074431") or ("20020123717") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 10:14

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S13	324	128/919.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 10:24
S14	4	((("5067949") or ("4955865") or ("5968021") or ("20020195362"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 10:27
S15	164	"needle handling"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/04/24 10:31
S16	1	("4955865").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 10:54
S18	1	ep-1725283-\$.did.	EPO	ADJ	ON	2008/05/22 17:01
S19	1	("4798587").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/22 17:21
S20	1	("5067949").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 12:03
S21	1	("4955865").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 12:04
S22	1341	604/263.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:06
S24	1	("6776777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 12:07
S26	32	("1378806"   "2117469"   "3107785"   "3642123"   "4043334"   "4062353"   "4286591"   "4287988"   "4485918"   "4573975"   "4596562"   "4717386"   "4747837").PN. OR ("4955865").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/21 12:08
S25	37	("2617719"   "4737149"   "4738362"   "4801013"   "4867309"   "4875583"   "4922597"   "4955865"   "4981476"   "4986811"   "4989307"   "5024666"   "5031767").PN. OR ("5067949").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/21 12:08
S27	63	S25 or S26	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:09
S28	1	("5061250").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 13:14

S29	1	("6257408").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 13:15
S30	1	("6591984").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 13:16
S31	3	((("4955865") or ("5968021") or ("20020195362")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 13:22
S32	725	injector with handling	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:25
S33	30	injector with handling with needle	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:26
S34	80	injector with carrier with needle	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:34
S36	669	S35 not S33	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:37
S35	699	(injector or syringe) with handling with needle	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:37
S38	324	128/919.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:42
S37	1	("20060100588").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 13:42
S39	1	ep-1725283-\$.did.	EPO	ADJ	ON	2008/07/21 14:00
S40	1	("5556388").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 14:06
S42	1	("5308582").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 14:27
S41	1	("20070191769").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 14:27
S43	35	("1378806"   "2117469"   "3107785"   "3642123"   "4043334"   "4062353"   "4286591"   "4287988"   "4485918"   "4573975"   "4596562"   "4717386"   "4747837").PN. OR ("4986816").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/21 14:45
S44	1	("5607403").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 15:06
S46	1	("5927351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 15:07
S45	1	("6936032").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 15:07
S47	1	("5078695").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 15:08



S48	33	("3890971"   "4631057"   "4747837"   "4752290"   "4790827"   "4826491"   "4832696"   "4931048"   "4961730").PN. OR ("5057079").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/21 15:41
S49	1	("20060100588").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/21 16:21
S51	2	S50 and plug	US-PGPUB; USPAT	ADJ	ON	2008/07/22 07:33
S50	25	(US-20060100588-\$ or US-20060173408-\$ or US-20050171484-\$).did. or (US-7207973-\$ or US-6776777-\$ or US-5403286-\$ or US-5336185-\$ or US-5057079-\$ or US-6926697-\$ or US-4955865-\$ or US-5322515-\$ or US-5891085-\$ or US-5067949-\$ or US-5469964-\$ or US-5348543-\$ or US-4747837-\$ or US-7112187-\$ or US-5993417-\$ or US-5304148-\$ or US-4986816-\$ or US-4981476-\$ or US-5078695-\$ or US-5024666-\$ or US-5697908-\$ or US-5562625-\$).did. or (WO-2006009508-A-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/07/22 07:33
S52	294	((("20010002681") or ("20010005781") or ("20010032893") or ("20010039394") or ("20010044606") or ("20010052554") or ("20010056263") or ("20020008158") or ("20020022855") or ("20020033423") or ("20020045909") or ("20020046486") or ("20020074431") or ("20020123717") or ("20020123718") or ("20020179748") or ("20030015601") or ("20030047626") or ("20030060776") or ("20030065286") or ("20030080202") or ("20030105430") or ("20030125669") or ("20030130619") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/22 07:39

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S53	1	("20050171484").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/22 07:48

S54	172	syringe with needle with internal\$2 with thread\$3	US-PGPUB; USPAT	ADJ	ON	2008/07/22 07:59
S55	60	syringe with ((boss or hub) with external\$2 with thread\$3)	US-PGPUB; USPAT	ADJ	ON	2008/07/22 08:08
S56	1	ep-409180-\$.did.	EPO	ADJ	ON	2008/07/22 08:46
S57	1	("4702737").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/22 11:06
S59	326	128/919.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:29
S58	44	128/917.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:29
S63	1701	604/110.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:30
S62	780	604/93.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:30
S61	672	604/506.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:30
S60	1525	604/500.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:30
S68	1297	604/198.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:31
S67	1250	604/192.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:31
S66	31	604/188.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:31
S73	1246	S72 not S59	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:32
S72	1360	S71 not S58	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:32
S71	1364	604/263.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:32
S74	59	("2674246"   "2876770"   "2925083"   "3040743"   "3046985"   "3314428"   "3406687"   "3640278"   "4425120"   "4631057"   "4655751"   "4695274").PN. OR ("RE34045").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/17 15:35
S75	16	("1971687"   "2880723"   "3820652").PN. OR ("5928205").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/17 16:03
S78	1356	S77 not S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/17 16:14
S77	1582	S76 not S59	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/17 16:14

S76	1699	S63 not S58	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/17 16:14
S82	256	604/197.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:44
S86	26	S85 not S63	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:55
S85	29	S84 not S71	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:55
S84	30	S83 not S59	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:55
S83	31	S66 not S58	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:55
S89	2274	S88 not S59	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:56
S88	2468	S87 not S58	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:56
S87	2470	S67 or S68 or S82	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:56
S94	2867	S93 not S58	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:57
S93	2868	S60 or S61 or S62	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:57
S92	1106	S91 not S66	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:57
S91	1108	S90 not S63	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:57
S90	1517	S89 not S71	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:57
S101	2824	S100 not S82	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:58
S100	2826	S99 not S68	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:58
S99	2834	S98 not S67	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:58
S98	2839	S97 not S66	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:58
S97	2839	S96 not S63	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:58
S96	2848	S95 not S71	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:58
S95	2860	S94 not S59	US-PGPUB; USPAT	ADJ	ON	2009/03/17 17:58
S106	189	(syringe or injector) same ((sheath or cover or cap) with (needle or cannula) with (shield or sleeve or protector) with spring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/18 11:49



S105	1540	(syringe or injector) same ((sheath or cover or cap) with (needle or cannula) with (shield or sleeve or protector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/18 11:49
S107	58	("2752918"   "3403680"   "3556100"   "3605742"   "3712301"   "3882863"   "4226235"   "4329988"   "4403989"   "4517978"   "4530695"   "4578064"   "4689042"   "4787891"   "4902229"   "5026349"). PN. OR ("5137516"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 12:04
S108	1	("20050171484").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/18 12:32
S109	1	("20060100588").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/18 12:38
S110	105	(US-20060100588-\$ or US-20060173408-\$ or US-20050171484-\$ or US-20040122379-\$ or US-20030097098-\$ or US-20070293819-\$ or US-20060195062-\$ or US-20050283115-\$ or US-20040193110-\$ or US-20030139705-\$ or US-20060079847-\$ or US-20080294120-\$ or US-20070293825-\$ or US-20070293824-\$ or US-20030050606-\$ or US-20080208140-\$ or US-20050277895-\$ or US-20050171485-\$ or US-20050054987-\$ or US-20030212370-\$ or US-20030060776-\$ or US-20030014018-\$ or US-20050004552-\$ or US-20050004551-\$ or US-20060129105-\$ or US-20060129122-\$).did. or (US-20020161329-\$ or US-20070017533-\$ or US-20070017532-\$ or US-20040206416-\$ or US-20080039789-\$ or US-20080132838-\$ or US-20080154199-\$ or US-20060178634-\$ or US-20060095010-\$ or US-	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/03/18 12:46

		20070185459-\$ or US- 20040236284-\$ or US- 20070191809-\$ or US- 20030212380-\$).did. or (US-7207973-\$ or US- 6776777-\$ or US-5403286- \$ or US-5336185-\$ or US- 5057079-\$ or US-6926697- \$ or US-4955865-\$ or US- 5322515-\$ or US-5891085- \$ or US-5067949-\$ or US- 5469964-\$ or US-5348543- \$ or US-4747837-\$ or US- 7112187-\$ or US-5993417- \$ or US-5304148-\$ or US- 4986816-\$ or US-4981476- \$ or US-5078695-\$ or US- 5024666-\$ or US-5697908- \$ or US-5562625-\$ or US- 6773415-\$ or US-4702737- \$ or US-RE34045-\$ or US- 6485469-\$).did. or (US- 4923447-\$ or US-4772272- \$ or US-4695274-\$ or US- 6059758-\$ or US-5947936- \$ or US-5928205-\$ or US- 7314464-\$ or US-5376073- \$ or US-7322941-\$ or US- 7390312-\$ or US-6436070- \$ or US-6547764-\$ or US- 5667494-\$ or US-5226893- \$ or US-6986760-\$ or US- 6013059-\$ or US-4909290- \$ or US-7297136-\$ or US- 4976701-\$ or US-3889673- \$ or US-7252651-\$ or US- 7011649-\$ or US-5336200- \$ or US-6428519-\$ or US- 3878846-\$ or US-7041092- \$ or US-7338474-\$).did. or (US-5436994-\$ or US- 5709662-\$ or US-5478316- \$ or US-6767336-\$ or US- 5843036-\$ or US-5137516- \$ or US-2752918-\$ or US- 6203530-\$ or US-6585702- \$ or US-5242416-\$ or US- 7255689-\$).did. or (US- 2752918-\$).did. or (WO- 2006009508-A-\$ or EP- 680767-\$).did.				
S111	12	S110 and bushing	US-PGPUB; USPAT	ADJ	ON	2009/03/18 12:47
S112	1	("20060100588").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/11 11:42

S113	1	("4772272").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/11 11:44
S114	4	("20020195362"   "4955865"   "5067949"   "5968021").PN.	US-PGPUB; USPAT	ADJ	ON	2009/07/11 12:30
S115	2	((("5137516") or ("4976701"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/11 12:50
S116	105	(US-20060100588-\$ or US- 20060173408-\$ or US- 20050171484-\$ or US- 20040122379-\$ or US- 20030097098-\$ or US- 20070293819-\$ or US- 20060195062-\$ or US- 20050283115-\$ or US- 20040193110-\$ or US- 20030139705-\$ or US- 20060079847-\$ or US- 20080294120-\$ or US- 20070293825-\$ or US- 20070293824-\$ or US- 20030050606-\$ or US- 20080208140-\$ or US- 20050277895-\$ or US- 20050171485-\$ or US- 20050054987-\$ or US- 20030212370-\$ or US- 20030060776-\$ or US- 20030014018-\$ or US- 20050004552-\$ or US- 20050004551-\$ or US- 20060129105-\$ or US- 20060129122-\$).did. or (US-20020161329-\$ or US- 20070017533-\$ or US- 20070017532-\$ or US- 20040206416-\$ or US- 20080039789-\$ or US- 20080132838-\$ or US- 20080154199-\$ or US- 20060178634-\$ or US- 20060095010-\$ or US- 20070185459-\$ or US- 20040236284-\$ or US- 20070191809-\$ or US- 20030212380-\$).did. or (US-7207973-\$ or US- 6776777-\$ or US-5403286- \$ or US-5336185-\$ or US- 5057079-\$ or US-6926697- \$ or US-4955865-\$ or US- 5322515-\$ or US-5891085- \$ or US-5067949-\$ or US- 5469964-\$ or US-5348543- \$ or US-4747837-\$ or US-	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/07/11 13:04

		7112187-\$ or US-5993417-\$ or US-5304148-\$ or US-4986816-\$ or US-4981476-\$ or US-5078695-\$ or US-5024666-\$ or US-5697908-\$ or US-5562625-\$ or US-6773415-\$ or US-4702737-\$ or US-RE34045-\$ or US-6485469-\$).did. or (US-4923447-\$ or US-4772272-\$ or US-4695274-\$ or US-6059758-\$ or US-5947936-\$ or US-5928205-\$ or US-7314464-\$ or US-5376073-\$ or US-7322941-\$ or US-7390312-\$ or US-6436070-\$ or US-6547764-\$ or US-5667494-\$ or US-5226893-\$ or US-6986760-\$ or US-6013059-\$ or US-4909290-\$ or US-7297136-\$ or US-4976701-\$ or US-3889673-\$ or US-7252651-\$ or US-7011649-\$ or US-5336200-\$ or US-6428519-\$ or US-3878846-\$ or US-7041092-\$ or US-7338474-\$).did. or (US-5436994-\$ or US-5709662-\$ or US-5478316-\$ or US-6767336-\$ or US-5843036-\$ or US-5137516-\$ or US-2752918-\$ or US-6203530-\$ or US-6585702-\$ or US-5242416-\$ or US-7255689-\$).did. or (US-2752918-\$).did. or (WO-2006009508-A-\$ or EP-680767-\$).did.				
S117	9	S116 and (thread\$3 with internal with needle)	US-PGPUB; USPAT	ADJ	ON	2009/07/11 13:05
S118	1	("4702737").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/11 13:06
S119	1	("20050171484").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/12 19:34
S120	1	("4,702,737").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/12 20:09
S121	1	("5137516").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 12:50
S122	337	604/48.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/02/16 15:02
S123	98	604/513.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/02/16 15:03

S124	199	604/111.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/02/16 15:04
S125	98	S123 not S122	US-PGPUB; USPAT	ADJ	ON	2010/02/16 15:27
S127	199	S126 not S123	US-PGPUB; USPAT	ADJ	ON	2010/02/16 15:30
S126	199	S124 not S122	US-PGPUB; USPAT	ADJ	ON	2010/02/16 15:30
L1	1	("5137516").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 10:22

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